

# Electrical Work Discussion Guide and Feedback Report

Program/Area represented: \_\_\_\_\_

Discussion date: \_\_\_\_\_

**Does anyone in this work area/group service, modify, build, repair or work on (including testing, troubleshooting, and/or voltage measurement) electrical equipment  $\geq 50$  V (AC) or  $\geq 100$  V (DC), where they may be exposed to an electrical hazard (shock or arc flash)?**

**Examples** include:

- assembling electronics systems/equipment?
- making or tightening electrical terminal connections with tools?
- working around exposed energized parts that are not shielded to be "finger safe"?
- work on grounding and bonding systems?
- work on power entry modules or field wiring terminals?
- modifying electrical components such as fuses, lamps, fans boards, etc.?
- replacing critical components with new components of different ratings? [Critical components include electrical components or assemblies used in a power or safety circuit whose proper operation is essential to the safe performance of the system or circuit (e.g. fuses, circuit breakers, power wiring, transformers, heaters, motors, overloads, interlocks, emergency stops, etc.).]

**Does anyone in this work area/group:**

- do work involving exposure to **batteries** (other than changing or handling batteries on unmodified commercially available equipment commonly used by the general public, in a manner intended by the manufacturer)?
- do work which may expose them to stored energy from **capacitors**?
- perform **switching** (opening or closing) of any electrical isolation, including operation of through-the-door breaker handles or other dead-front switching, that may expose them to a shock or arc flash hazard?

**Description of Electrical Work:**

---

---

---

---

---

---

---

---

**If yes or uncertain to any of the above,**

- Contact ATAP Electrical Safety Advocate (Nathan Ybarrolaza), describe the work, and request evaluation of hazard level and qualification level required for the work.

### Existing & Potential Electrical Workers

-- Are the people who perform the electrical work discussed above already listed as Qualified Electrical Workers in the EHS database:

<http://electricalsafety.lbl.gov/electrical-safety/qualified-electrical-worker-qew/> ?

If yes, what level of QEW authorization do they have (QEW 1, 2, 3)?

List and check status below:

<u>People who do Electrical Work</u>	<u>Non-QEW*</u>	<u>QEW (Level, if known)</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

**\*If not a QEW:**

--Have they submitted an application to become a QEW?

-- Do they have questions about this process?

or

-- Does the group have ready access to a QEW who can perform this work?

-- Are there funding or scheduling concerns related to QEW support?

**Feedback:**

---

---

---

---

---

---

---

---

---

---

**QUEST Team Leaders: Please submit completed Feedback Report to Pat Thomas.**